Scoring Form	
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Project: NAEP	Grade: 8	Subject: Science	
Item: F2S11_10 Larva pupa state	ement supports data		
Scorer Name:	I <b>D#</b> :		Date:

P1	Reader Score	Actual Score
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
		%

P2	Reader Score	Actual Score
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
		%

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NAEP Wiki: <a href="http://opi.mt.gov/groups/montananaep/">http://opi.mt.gov/groups/montananaep/</a>

### **NAEP: The One Stop Shop for Teachers**

2:00 PM-3:50 PM

MS 204

Teachers will gain hands-on experience with released items specifically learning how to: create assessments, score items, and map items. Lastly, teachers will learn how NAEP science frameworks can be paralleled to NGSS and learn how MT students performed on released items.

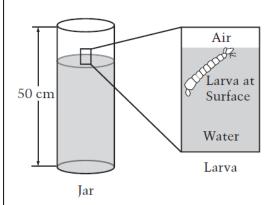
## Item: Larva pupa statement supports data .....p.1

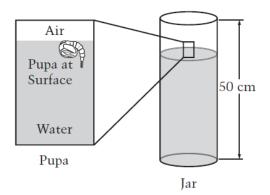
Questions 10-13 refer to the following investigation.

Some students were studying the life cycle of mosquitoes. They learned that mosquito larvae and pupae spend part of their time at the surface of water.

The students wanted to find out how a larva and pupa behaved when the jars they were in were disturbed. They put one larva and one pupa in identical tall jars of water at 20°C as shown below.

#### JARS WITH LARVA AND PUPA





The students tapped on the jars when the larva and pupa were at the surface of the water. The larva and pupa dove down into the jars, and then slowly came to the surface.

The students measured the depth each larva and pupa reached and the amount of time each stayed underwater. The students repeated this step five times and calculated the average of each of their measurements.

Their results are summarized in the table below.

7	A /	_ A		7 A	T)	т :	г
-1	 Δ	<u> </u>	- 1	Δ	к		н

	La	rva	Puj	pa
Number of Trials	Average Depth Reached (centimeters)	Average Length of Time Underwater (seconds)	Average Depth Reached (centimeters)	Average Length of Time Underwater (seconds)
5	22	90	38	120

Page 10

**GO ON TO THE NEXT PAGE** 

# Item: Larva pupa statement supports data .....p.2

10.	Which statement(s) is (are) supported by these data? You may fill in more than one oval.
	The larva dives deeper than the pupa.
	The larva stays underwater longer than the pupa.
	The length of the larva affects the depth of its dive.
	The pupa dives deeper than the larva.
	© The pupa stays underwater longer than the larva.
	The shape of the pupa helps it dive deeper than the larva.
	Explain why you selected the statement(s) you did, using the data in the table.

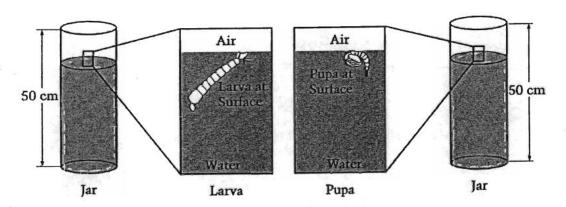
## Item: Larva pupa statement supports data .....p.3

## Questions XX-XX refer to the following investigation.

Some students were studying the life cycle of mosquitoes. They learned that mosquito larvae and pupae spend part of their time at the surface of water.

The students wanted to find out how a larva and pupa behaved when the jars they were in were disturbed. They put one larva and one pupa in identical tall jars of water at 20°C as shown below.

#### JARS WITH LARVA AND PUPA



The students tapped on the jars when the larva and pupa were at the surface of the water. The larva and pupa dove down into the jars, and then slowly came to the surface.

The students measured the depth each larva and pupa reached and the amount of time each stayed underwater. The students repeated this step five times and calculated the average of their measurements.

Their results are summarized in the table below.

### DATA TABLE

	La	rva	Puj	pa
Number of Trials	Average Depth Reached (centimeters)	Average Length of Time Underwater (seconds)	Average Depth Reached (centimeters)	Average Length of Time Underwater (seconds)
5	22	90	38	120

# Item: Larva pupa statement supports data .....p.4

Content Area	Life Science		
Content Topic - Subtopic	Structures and Functions of Living Systems - Interdependence		
Content Statement	L8.6: Two types of organisms may interact with one another in several ways: They may be in a producer/consumer, predator/prey, or parasite/host relationship. Or, one organism may scavenge or decompose another. Relationships may be competitive or mutually beneficial. Some species have become so adapted to each other that neither could survive without the other.		
	Without the other.		
Science Practice	Using Scientific Inquiry		
Science Practice Cognitive Demand			

# Item:

C305048

Which statement(s) is (are) supported by these data? You may fill in more than one oval.
A. The larva dives deeper than the pupa.
B. the larva stays underwater longer than the pupa.
C. The length of the larva affects the depth of its dive.
D. The pupa dives deeper than the larva.
E. The pupa stays underwater longer than the larva.
F. The shape of the pupa helps it dive deeper than the larva.
Explain why you selected the statement(s) you did, using the data in the table.

# Anchor Set.....p.1

Paper	Ref#	Score	Notes
A-1	033226	4	The response selects (D) and (E) and refers to the data in the table to explain both selections. The response provides explanations for selecting (D) the pupa dives 38(cm) and the larva dives 22(cm) and for selecting (E) the pupa stays underwater 120 seconds and the larva stays underwater 90 seconds.
<b>A-2</b>	032669	4	The response selects (D) and (E) and refers to the data in the table to explain both selections. The response provides explanations for selecting (D) the pupa's average depth was 16 centimeters deeper then the larva's and for selecting (E) The pupa was also underwater 30 seconds longer then the larva.
A-3	033327	4	The response selects (D) and (E) and refers to the data in the table to explain both selections. The response provides explanations for selecting (D) and (E) the averade length of time underwater the pupa had was 120 seconds and the average depth reached was 38 centimeters. The data for larva is not needed.
A-4	032622	3	The response selects (D) and (E) and refers to the data in the table to explain one of the selections larva only gose 22 ce down deeper. But the pupa 38 ce down.
A-5	033297	2A	The response selects (D) and (E) but does not refer to the data in the table to explain either selection. The response provides an incomplete explanation for selecting (D) and (E) the average depth is greater than the larva and average length of time is greater than the larva.  2A(a)

# Anchor Set .....p.2

A-6	033352	2A	The response selects (D) and (E). The response does not refer to the data in the table but provides general explanations for (D) and (E).
A-7	033409	2A	The response selects (D) and (E). The response does not refer to the data in the table and does not provide any explanation. 2A(b)
A-8	033381	2B	The response selects (D), (E) and (C), (F) and refers to the data in the table. The response provides explanations for selecting (D) and (E) the larva dives at 22 cm the pupa dives at 38 cmlarva stays underwater 90 sec, the pupa 120. For the incorrect selections (C) and (F) their shapes could effect the dive.  2B(a)
A-9	000006	2B	The response selects (D). The response also refers to the data in the table the larva dove 22 centimeters, while the pupa dove 38 centimeters.  2B(b)
A-10	033302	2B	The response selects (E). The response also refers to the data in the table larva stays under for 90 sec but the pupa stays 120 sec.  2B(c)
A-11	033318	1A	The response selects (D), (E) and (C), (F). The response does not refer to the data in the table but provides general explanations for selecting (D), (E), (C), (F).
A-12	033341	1B	The response selects (A) and (B). The response does not refer to the data in the table but provides general explanations for (A) and (B).

### Anchor Set 4.....p.1

WFMID: Z3525900 Sequence 0000033226
NAEP 2009 Grade 08 Subject SC Batch 10016900 PAS 001600489 .
UIN 00033698798213200902 Import Item ID 09F2S11\_10 Clip VC305048

A-1

VC305048

Which statement(s) is (are) supported by these data? You may fill in more than one oval.

- The larva dives deeper than the pupa.
- The larva stays underwater longer than the pupa.
- The length of the larva affects the depth of its dive.
- The pupa dives deeper than the larva.
- The pupa stays underwater longer than the larva.
- The shape of the pupa helps it dive deeper than the larva.

Explain why you selected the statement(s) you did, using the data in the table.

I picked that the pupa dives deeper than the lana because the pupa dives 38 (cm). I also picked the pupa stays underwater longer than the lana because the pupa stays underwater 120 seconds and the larva stays underwater 90 seconds.

WFMID: 23525900
NAEP 2009 Grade 08
UIN 00033043738211200902

Subject SC Batch I0069900 Import Item ID 09F2S11\_10 Sequence 0000032669 PAS 006900179 Clip VC305048

A-2

VC305048

Which statement(s) is (are) supported by these data? You may fill in more than one oval.

- The larva dives deeper than the pupa.
- The larva stays underwater longer than the pupa.
- O The length of the larva affects the depth of its dive.
- The pupa dives deeper than the larva.
- The pupa stays underwater longer than the larva.
- The shape of the pupa helps it dive deeper than the larva.

Explain why you selected the statement(s) you did, using the data in the table. The decta supports the statements I selected because the pupa's overage depth was 16 centimeters deeper then the larvas. The pupa was also underwater 30 seconds longer then the larva.

## Anchor Set 3 .....p.2

WFMID: 23525900 Sequence 0000033327
NAEP 2009 Grade 08 Subject SC Batch 10275900 PAS 027500425
UIN 00033732838213200902 Import Item ID 09F2811\_10 Clip VC305048

A-3

VC305048

Which statement(s) is (are) supported by these data? You may fill in more than one oval.

- The larva dives deeper than the pupa.
- The larva stays underwater longer than the pupa.
- The length of the larva affects the depth of its dive.
- The pupa dives deeper than the larva.
- The pupa stays underwater longer than the larva.
- The shape of the pupa helps it dive deeper than the larva.

Explain why you selected the statement(s) you did, using the data in the table.

The average length of fine underwa the supa had was 120 seconds and the average depth reached was 38 centerneters.

WFMID: Z3525900

NAEP 2009 Grade 08 UIN 00021461259807200902

e 08

Import Item ID 09F2S11\_10

Subject SC Batch I0301900

PAS 030100537 Clip VC305048

Sequence 0000032622

A-4



VC305048

Which statement(s) is (are) supported by these data? You may fill in more than one oval.

- The larva dives deeper than the pupa.
- The larva stays underwater longer than the pupa.
- The length of the larva affects the depth of its dive.
- The pupa dives deeper than the larva.
- The pupa stays underwater longer than the larva.
- The shape of the pupa helps it dive deeper than the larva.

Explain why you selected the statement(s) you did, using the data in the table.

I used this because laws only good Die down deeper. But the pupa 35 are down.

## Anchor Set 2A.....p.3

WFMID: 23525900 Sequence 0000033297
NAEP 2009 Grade 08 Subject SC Batch 10240900 PAS 024000266
UIN 00033725658213200902 Import Item ID 09F2S11\_10 Clip VC305048

A-5

VC305044

Which statement(s) is (are) supported by these data? You may fill in more than one oval.

- The larva dives deeper than the pupa.
- The larva stays underwater longer than the pupa.
- The length of the larva affects the depth of its dive.
- The pupa dives deeper than the larva.
- . The pupa stays underwater longer than the larva.
- D The shape of the pupa helps it dive deeper than the larva.

Explain why you selected the statement(s) you did, using the data in the table.

I chosed that the papa dives deeper and stays underwater longer because the oberage depth is greater than the larva and sverage lengths obtime is greater than the larva.

WFMID: 23525900 NAEP 2009 Grade 08

NAEP 2009 Grade UIN 00033746298215200902 Subject SC Batch I0013900 Import Item ID 09F2S11 10 Sequence 0000033352 PAS 001300328 Clip VC305048



VC305048

Which statement(s) is (are) supported by these data? You may fill in more than one oval.

- The larva dives deeper than the pupa.
- The larva stays underwater longer than the pupa.
- The length of the larva affects the depth of its dive.
- The pupa dives deeper than the larva.
- The pupa stays underwater longer than the larva.
- The shape of the pupa helps it dive deeper than the larva.

Explain why you selected the statement(s) you did, using the data in the table.

I did not scient any statements about size or shape because there was no information about that on the table. The ones I chose say that the pupa dives deeper & stays underwater longer, because that what the table shows.

## Anchor Set 2A.....p.3 Continued

WFMID: Z3525900 Sequence 0000033409
NAEP 2009 Grade 08 Subject SC Batch I0128900 PAS 012800485
UIN 00033758458215200902 Import Item ID 09F2S11\_10 Clip VC305048



YC30504

Which statement(s) is (are) supported by these data? You may fill in more than one oval.

- The larva dives deeper than the pupa.
- The larva stays underwater longer than the pupa.
- The length of the larva affects the depth of its dive.
- The pupa dives deeper than the larva.
- The pupa stays underwater longer than the larva.
- The shape of the pupa helps it dive deeper than the larva.

Explain why you selected the statement(s) you did, using the data in the table.

Ino explanation

## Anchor Set 2B.....p.4

WFMID: 23525900 Sequence 0000033381
NAEP 2009 Grade 08 Subject SC Batch I0138900 PAS 013800360
UIN 00033751588215200902 Import Item ID 09F2S11\_10 Clip VC305048



VC305048

Which statement(s) is (are) supported by these data? You may fill in more than one oval.

- The larva dives deeper than the pupa.
- The larva stays underwater longer than the pupa.
- The length of the larva affects the depth of its dive.
- The pupa dives deeper than the larva.
- The pupa stays underwater longer than the larva.
- The shape of the pupa helps it dive deeper than the larva.

Explain why you selected the statement(s) you did, using the data in the table.

It says the larva dives at 22cm the pupa dives at 38 cm, so the pupa dives Parthest. The larva stays underwater absect the pupa 126, so the pupa stayed under water langer. And their shapes are the only thing that could effect the dive.

## Anchor Set 2B.....p.4 Continued

WFMID: Z3524900 Sequence 0000000006 NAEP 2009 PAS 000300060 Grade 08 Subject SC Batch I0003900 UIN 00020247329813200902 Import Item ID 09F2S11\_10 Clip VC305048

VC305048

Which statement(s) is (are) supported by these data? You may fill in more than one oval.

- The larva dives deeper than the pupa.
- ® The larva stays underwater longer than the pupa.
- The length of the larva affects the depth of its dive.
- The pupa dives deeper than the larva.
- The pupa stays underwater longer than the larva.
- The shape of the pupa helps it dive deeper than the larva.

Explain who you selected the statement(s) you did, using the data in the table.

The Data Table says that the larva dove 22 centime text, white the pupa dove 38 centimeters.

# Practice Set 2 Score Guide.....p.1

Code		Description		
		Student response selects (D) AND (E) and refers to the data in the table to explain both selections. Student explanation needs to cite numeric data from the table. No selections of (A), (B), (C), and (F) are included.		
	) )	Major response types supporting (D) include:		
		<ul> <li>The pupa dove (reached) 38 cm compared to the larva that dove (reached) 22 cm.</li> </ul>		
		The pupa dove 16 cm deeper than the larva.		
		Major response types supporting (E) include:		
		<ul> <li>The pupa stayed underwater for 120 seconds compared to the larva that stayed underwater for 90 seconds.</li> </ul>		
		<ul> <li>The pupa stayed underwater 30 seconds longer than the larva.</li> </ul>		
lete		For example:		
Complete	4	<ul> <li>(D), (E) The data table shows the pupa dived 38 cm, while the larva only dived 22 cm. This proves the pupa dives deeper than the larva. The data table also shows the pupa stayed in the water 120 seconds (2 minutes), while the larva stayed in the water 90 seconds (1 minute and a half). Proving the pupa stays under water longer than the larva.</li> </ul>		
		<ul> <li>(D), (E) because the pupa did dive deeper than the larva by 16 cm. and the pupa did stay under water longer than the larva by 30 sec.</li> </ul>		
	500	<ul> <li>(D), (E) The table tells me that the pupa stayed under an average 120 seconds underwater, and also it went farther down an average at 38 centimeters.</li> </ul>		
		• (D), (E) I selected the statements because the following: 1). On the data table it said that the pupa dives deeper about 14 cm. 2). On the table it also said that were dove in the water longer about 40 sec. (ignore incorrect math calculations)		

Essential		Student response selects (D) and (E) and refers to the data to explain one of the selections. The explanation for the other selection is either incorrect or absent. No selections of (A), (B), (C), and (F) are included.
	3	<ul> <li>For example:</li> <li>(D), (E) Pupa dive deeper than larva because they reached 38 centimeters and the larva only reached 22 centimeters. The larva stayed underwater longer.</li> </ul>
		<ul> <li>(D), (E) Larva stayed underwater for 90 seconds compared to 120 seconds for the pupa.</li> </ul>

	(a) Student response selects (D) AND (E) with an incomplete explanation. No selections of (A), (B), (C), and (F) are included.  For example:	
2A	<ul> <li>(D), (E) Because on the data table it shows the seconds for how long they stayed under water and the depth in centimeters for how far they went and the pupa stayed under longer and went down farther than the larva did.</li> <li>(D), (E) I chose these statements because the pupa's averages were bigger than the larva's averages.</li> </ul>	
	(b) Student response selects (D) AND (E) with no explanation. No selections of (A), (B), (C), and (F) are included.	
	For example:	
	• (D), (E)	

# Practice Set 2 Score Guide Continued.....p.2

	(a) Student response selects (D) and (E) and refers to the data to explain the selection(s). Incorrect statements (A), (B), (C), and (F) may also have been chosen.
	For example:  • (C), (D), (E), (F) I chose "C" because the larva was longer and didn't dive as far. I chose "D" because the pupa dove 38 cm and the larva dove 22 cm. I chose "E" because the pupa stayed under 120 sec, and the larva only stayed under 90 sec. I chose "F" because the round shape of the pupa allowed it to go deeper, and it's not as heavy.
_	• (C), (D), (E) According to the graph, the pupa went 38 cm. while the larva went 22cm.
Partial	(b) Student response selects (D) and refers to the data to explain the selection. Incorrect statements (A), (B), (C), and (F) may also have been chosen.
	For example:
	(D) The pupa dives up to 38 cm deep and the larva only dives 22 cm in the water.
2B	<ul> <li>(D), (F) the shape is like a ball so it's probably heavy so it makes the pupa reach 38 cm in depth and 120 seconds.</li> </ul>
	(c) Student response selects (E) and refers to the data to explain the selection. Incorrect statements (A), (B), (C), and (F) may also have been chosen.
	For example:
	<ul> <li>(E) The data table tells me the pupa stayed underwater for 120 sec. and the larva stayed underwater for 90 sec.</li> </ul>
	(d) Student response selects (D) and refers to the data to explain statement (E) or selects (E) and refers to the data to explain statement (D). Incorrect statements (A), (B), (C), and (F) may also have been chosen.
	For example:
	• (E) The pupa dove 38cm. while the larva dove 22cm, so the pupa dove deeper.
	(e) Student response makes no selection and refers to the data to explain statement (D) and/or statement (E).
	For example:
	<ul> <li>No selection. The pupa dove 38 cm and the larva dove 22cm. The pupa stayed underwater for 120 seconds and the larva stayed underwater for 90 seconds.</li> </ul>

Unsatisfactory/Incorrect	1A	<ul> <li>(a) Student response selects (D) and/or (E) with an incomplete or no explanation. Incorrect statements (A), (B), (C), and (F) may also have been chosen.</li> <li>For example: <ul> <li>(E) The table shows that the pupa stayed underwater longer and dove deeper in the jar than the larva did. Plus, the larva is longer, and doesn't have much room to dive down to.</li> </ul> </li> <li>(b) Student response selects (D) and/or (E) with an incorrect explanation. Incorrect statements (A), (B), (C), and (F) may also have been chosen.</li> <li>For example: <ul> <li>(D) The pupa can go down deeper because it is more developed than the little larva, so it can dive deeper than the larva.</li> <li>(A), (D) because the larva dives deeper or it may not maybe the pupa is deeper and/or both take turns.</li> </ul> </li> <li>(c) Student response makes no selection with an incomplete or incorrect explanation.</li> </ul>
	1B	Student response selects (A), (B), (C) or (F) with or without an explanation.  For example:  • (C) The larva is bigger in size so that means it's heavier than the pupa. It may take longer to rise to the top.  • (A), (B), (C) Because the larva is longer than the pupa and when they both come to surface, the larva stays under longer.

## Practice Scoring real CR Responses...p.1

WFMID: Z3525900 Sequence 0000033310 NAEP 2009 Grade 08 Subject SC Batch I0275900 PAS 027500083 UIN 00033729418213200902 Clip VC305048 Import Item ID 09F2S11 10 P2-1 Which statement(s) is (are) supported by these data? You may fill in more than The larva dives deeper than the pupa. The larva stays underwater longer than the pupa. The length of the larva affects the depth of its dive. The pupa dives deeper than the larva. The pupa stays underwater longer than the larva. The shape of the pupa helps it dive deeper than the larva. Explain why you selected the statement(s) you did, using the data in the table. Because the Data clearly States the Carva Stays underwater Longer. I the pupa dives deeper then the carva

## Practice Set 2 Repsonses....p.2

WFMID: Z3525900 Sequence 0000033323 NAEP 2009 Grade 08 Subject SC Batch 10275900 PAS 027500372 UIN 00033732308213200902 Import Item ID 09F2S11\_10 Which statement(s) is (are) supported by these data? You may fill in more than one oval. The larva dives deeper than the pupa. The larva stays underwater longer than the pupa. The length of the larva affects the depth of its dive. The pupa dives deeper than the larva. The pupa stays underwater longer than the larva. The shape of the pupa helps it dive deeper than the larva. Explain why you selected the statement(s) you did, using the data in the table. Il selected these statements because these were the only two statements prowen by

the data shown . In both tests the Preper had higher results, but there is no data

it dive deeper than the larve

supporting the fact the the Pupa's shape below

## Practice Set 2 Repsonses....p.3

Sequence 0000033342 NAEP 2009 Grade 08 Subject SC Batch I0013900 PAS 001300150 Clip VC305048 UIN 00033744518215200902 Import Item ID 09F2S11 10

P2-4

Which statement(s) is (are) supported by these data? You may fill in more than one oval.

- The larva dives deeper than the pupa.
- The larva stays underwater longer than the pupa.
- The length of the larva affects the depth of its dive.
- The pupa dives deeper than the larva.
- The pupa stays underwater longer than the larva.
- The shape of the pupa helps it dive deeper than the larva.

Explain why you selected the statement(s) you did, using the data in the table.

The pupe dives deeper than the larva pocsing the orbit of the Pupa is 38 cm and the length of time underwater is 120 seconds:

WFMID: Z3525900

NAEP 2009 UIN 00033729928213200902 Subject SC Batch 10275900

Import Item ID 09F2S11\_10

Sequence 0000033313 PAS 027500134

Clip VC305048

VC305048

Which statement(s) is (are) supported by these data? You may fill in more than one oval.

- The larva dives deeper than the pupa.
- The larva stays underwater longer than the pupa.
- The length of the larva affects the depth of its dive.
- The pupa dives deeper than the larva.
- The pupa stays underwater longer than the larva.
- The shape of the pupa helps it dive deeper than the larva.

Explain why you selected the statement(s) you did, using the data in the table.

The pupe is smoller so it can steep under unter longer. The pupe dives deeper because it is smaller

## Practice Set 2 Repsonses....p.4

WFMID: 23525900 Sequence 0000032597 NAEP 2009 Grade 08 Subject SC Batch I0301900 PAS 030100040 UIN 00021456289807200902 Import Item ID 09F2S11\_10 Clip VC305048

P2) -6

Which statement(s) is (are) supported by these data? You may fill in more than one oval.

- The larva dives deeper than the pupa.
- The larva stays underwater longer than the pupa.
- The length of the larva affects the depth of its dive.
- The pupa dives deeper than the larva.
- The pupa stays underwater longer than the larva.
- The shape of the pupa helps it dive deeper than the larva.

Explain why you selected the statement(s) you did, using the data in the table.

water for ouda staus under 120 seconds, 50 arrands longer than

WFMID: Z3525900

NAEP 2009 Grade 08 UIN 00021473469807200902

Subject SC

Batch I0399900 Import Item ID 09F2S11 10

Sequence 0000032633 PAS 039900137 Clip VC305048

VC305048

Which statement(s) is (are) supported by these data? You may fill in more than one oval.

- The larva dives deeper than the pupa.
- The larva stays underwater longer than the pupa.
- The length of the larva affects the depth of its dive.
- The pupa dives deeper than the larva.
- The pupa stays underwater longer than the larva.
- The shape of the pupa helps it dive deeper than the larva.

Explain why you selected the statement(s) you did, using the data in the table.

Because that's What the table Shoved.

## Practice Set 2 Repsonses....p.5

WFMID: Z3525900 Sequence 0000033465
NAEP 2009 Grade 08 Subject SC Batch I0213900 PAS 021300481
UIN 00033769918215200902 Import Item ID 09F2S11\_10 Clip VC305048

P2-7

VC30504

Which statement(s) is (are) supported by these data? You may fill in more than one oval.

- The larva dives deeper than the pupa.
- The larva stays underwater longer than the pupa.
- The length of the larva affects the depth of its dive.
- The pupa dives deeper than the larva.
- The pupa stays underwater longer than the larva.
- The shape of the pupa helps it dive deeper than the larva.

Explain why you selected the statement(s) you did, using the data in the table.

Well am average the pupe storyed underwater. 30 seconds longer than the loruse.

WFMID: 23525900 NAEP 2009 Grade 08 UIN 00033048628211200902

Subject SC Batch I0092900 Import Item ID 09F2S11\_10 Sequence 0000032698 PAS 009200178 Clip VC305048

P2-8

VC305048

Which statement(s) is (are) supported by these data? You may fill in more than one oval.

- The larva dives deeper than the pupa.
- The larva stays underwater longer than the pupa.
- The length of the larva affects the depth of its dive.
- The pupa dives deeper than the larva.
- The pupa stays underwater longer than the larva.
- The shape of the pupa helps it dive deeper than the larva.

Explain why you selected the statement(s) you did, using the data in the table.

Because the pupp Lives 16 centimeters deaper than the larva. The pupa also stays under water for 120 seconds.

## Practice Set 2 Repsonses....p.6

WFMID: Z3525900 Sequence 0000033272
NAEP 2009 Grade 08 Subject SC Batch 10182900 PAS 018200333
UIN 00033711468213200902 Import Item ID 09F2S11\_10 Clip VC305048

P2-9

VC20504

Which statement(s) is (are) supported by these data? You may fill in more than one oval.

- The larva dives deeper than the pupa.
- The larva stays underwater longer than the pupa.
- The length of the larva affects the depth of its dive.
- The pupa dives deeper than the larva.
- The pupa stays underwater longer than the larva.
- The shape of the pupa helps it dive deeper than the larva.

Explain why you selected the statement(s) you did, using the data in the table.

The larva dives 22 deep.

Subject SC Batch I0138900
Import Item ID 09F2S11 10

Sequence 0000033362 PAS 013800081 Clip VC305048

P2-10

VC305048

Which statement(s) is (are) supported by these data? You may fill in more than one oval.

- The larva dives deeper than the pupa.
- The larva stays underwater longer than the pupa.
- The length of the larva affects the depth of its dive.
- The pupa dives deeper than the larva.
- The pupa stays underwater longer than the larva.
- The shape of the pupa helps it dive deeper than the larva.

Explain why you selected the statement(s) you did, using the data in the table.

The puper was under the water for 120 Jeconds and it want 380 mg depth was a smaller mumber.